

PATENT APPLICATION  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Attorney Docket No.: 3081.25US01

Deichsel et al.

Confirmation No.: 2515

Application No.: 09/877,923

Examiner: James Mcnefee

Filed: June 8, 2001

Group Art Unit: 2828

For: SATURABLE REFLECTOR AND SATURABLE ABSORBER

AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

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APR 18 2003  
TECHNOLOGY CENTER 2800

Sir:

In response to the Office Action of December 18, 2002, an amendment to the above-identified patent application is requested. Applicants note that a Supplemental Information Disclosure Statement is submitted with this amendment.

In the Claims

Please cancel claim 6.

Please substitute the following amended claims for those currently pending:

1. (Twice Amended) A saturable reflector for a laser wavelength  $\lambda_L$  wherein a reflector (2) comprising a first reflector material (4) and a second reflector material (5) is applied onto a surface of a substrate (1), and a layer sequence (3) with a saturable absorbing effect is applied onto the reflector, characterized in that the layer sequence (3) contains a saturable layer (6), a quantum well (6), a cap layer (7), an optional intermediate layer (9), and an optional anti-reflective layer (8), whereby the thickness of the layer sequence (3) is a whole number multiple of  $\lambda_L/2$ , whereby the material composition of the cap layer (7) and the material composition of